

Appl. No. 09/880,727
Amdt. dated October 27, 2003
Reply to Office communication of October 9, 2003

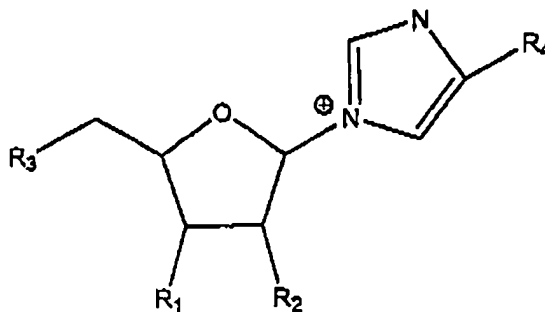
PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

47. (Currently Amended) A compound having the formula:

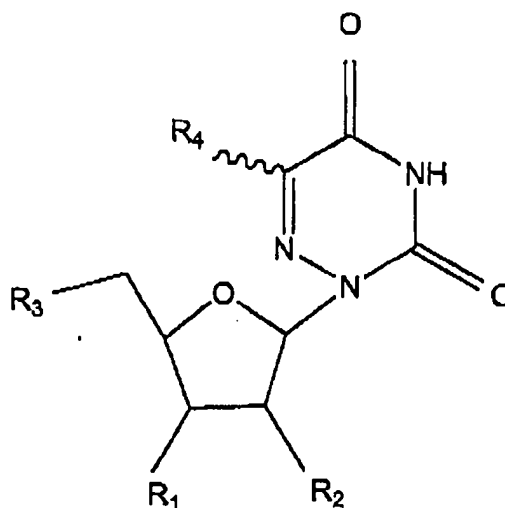


wherein R₁ is hydrogen, hydroxyl, a phosphate linkage, or a phosphate group;
R₂ is hydrogen or hydroxyl;
R₃ is hydrogen, hydroxyl, a phosphate linkage, or a phosphate group; and
R₄ is a coupled labeled moiety.

48. (Original) A compound having the formula:

Appl. No. 09/880,727
 Amdt. dated October 27, 2003
 Reply to Office communication of October 9, 2003

PATENT



wherein R1 is hydrogen, hydroxyl, a phosphate linkage, or a phosphate group;
 R2 is hydrogen or hydroxyl;
 R3 is hydrogen, hydroxyl, a phosphate linkage, or a phosphate group; and
 R4 is a coupled labeled moiety.

49. (Withdrawn) A method of identifying differences in nucleic acid levels between two or more nucleic acid samples, said method comprising the steps of:

(a) providing one or more oligonucleotide arrays each comprising probe oligonucleotides wherein said probe oligonucleotides comprise a nucleotide sequence or subsequences selected according to a process selected from the group consisting of random selection, a haphazard selection, a nucleotide composition biased selection, and all oligonucleotides of a preselected length;

(b) providing software describing the location and sequence of probe oligonucleotides on said array;

(c) hybridizing said nucleic acid samples to said one or more arrays to form hybrid duplexes between nucleic acids in said nucleic acid samples and probe oligonucleotides in said one or more arrays that are complementary to said nucleic acids or subsequences thereof;

(d) operating said software such that said hybridizing indicates differences in said nucleic acid levels.